BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads and drains at Kenchenahalli colony main and cross roads and surrounding areas in Ward No. 02

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications MORTH / Chapter 3 (P No-143, I No-19.1)								
	For RCC Drain	Cum							
	Kenchenahalli								
	Samudhaya Bhavan Rd		2	170.00	1.20	1.00	408.00		
	2nd cross, (Sadiq House to Pattamma house)		2	87.00	1.10	1.00	191.40		
	1st cross		1	150.00	1.10	1.00	165.00		
	2nd cross		1	176.00	1.10	1.00	193.60		
	Arun Patios		1	270.00	1.20	1.00	324.00		
	For RCC Culvert		3	6.00	1.50	1.00	27.00		
	Debris		1	63.00	1.40	0.25	21.97		
							1330.97	215.28	**286531.22**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
2	KSRRB M2100-10 Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications (P No-222,I No-27.18)								
	For Drain	Cum							
	Kenchenahalli								
	Samudhaya Bhavan Rd		2	170.00	1.20	0.15	61.20		
	2nd cross, (Sadiq House to Pattamma house)		2	87.00	1.10	0.15	28.71		
	1st cross		1	150.00	1.10	0.15	24.75		
	2nd cross		1	176.00	1.10	0.15	29.04		
	Arun Patios		1	270.00	1.20	0.15	48.60		
	For RCC Culvert		3	6.00	1.50	0.15	4.05		
							196.35	5421.90	**1064590.07**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	Bottom slab								
	Kenchenahalli								
	Samudhaya Bhavan Rd		2	170.00	1.10	0.15	56.10		

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	2nd cross, (Sadiq House to Pattamma house)		2	87 00	0 90	0 15	23 49		
	1st cross		1	150 00	0 90	0 15	20 25		
	2nd cross		1	176 00	0 90	0 15	23 76		
	Arun Patios		1	270 00	0 90	0 15	36 45		
	side walls								
	Kenchenahalli								
	Samudhaya Bhavan Rd		4	170 00	0 15	0 65	66 30		
	2nd cross, (Sadiq House to Pattamma house)		4	87 00	0 15	0 65	33 93		
	1st cross		2	150 00	0 15	0 65	29 25		
	2nd cross		2	176 00	0 15	0 65	34 32		
	Arun Patios		2	270 00	0 15	0 65	52 65		
							376.50		
	For RCC Culvert								
	Raft		3	6 00	1 20	0 20	4 32		
	side walls		6	6 00	0 20	0 60	4 32		
							8.64		
					Net Qty		**385.14**	7070 20	**2723016.83**
	Basic Rate Rs =	6670 00							
	Add 6% A.W Rs =	400 20							
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14 Providing TMT steel reinforcement for R C C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I No 29 29 2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 70 kg / cum	Tonne		376 50	0 070	--	26 36		
	Considering steel For Culvert @ 100 kg / cum			8 64	0 100	--	0 86		
							27.22	73992 24	**2013994.78**
	Basic Rate Rs =	69804 00							
	Add 6% A.W Rs. =	4188 24							
	Total Rate Rs. =	**73992.24**							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1 1 5 3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate)								
	For drain cover slab	Sqm							
	Kenchenahalli								
	Samudhaya Bhavan Rd		2	170 00	0 90	--	306 00		
	2nd cross, (Sadiq House to Pattamma house)		2	87 00	0 75	--	130 50		
	1st cross		1	150 00	0 75	--	112 50		
	2nd cross		1	176 00	0 75	--	132 00		
	Arun Patios		1	270 00	0 90	--	243 00		
							924.00	2337 00	**2159388.00**
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate)								
	For Culvert Slabs	Sqm	3	6 00	1 20	--	**21.60**	5418 00	**117028.80**

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
								Sub Total 1 Rs.	8364549.21
	Add GST @ 12%								1003745.91
	Add KRIDL @ 4%								334581.97
	DPR & PMC Charges including GST								197000.00
								Sub Total 2 Rs.	9899877.09
	Miscellaneous & Rounding off								122.91
								Total Rs.	9900000.00

CERTIFICATE:

1. The work spot has been inspected by me and the work is found to be necessary
2. The estimate is prepared as per PW, P&IWTD S R Bangalore circle for the year 2018-2019
3. The Provisions made in the estimate are quite necessary and adequate
4. The area comes with in the BBMP limits

Assistant Engineer
Ward 02
BBMP

Assistant Executive Engineer
Yelahanka Sub Division
BBMP

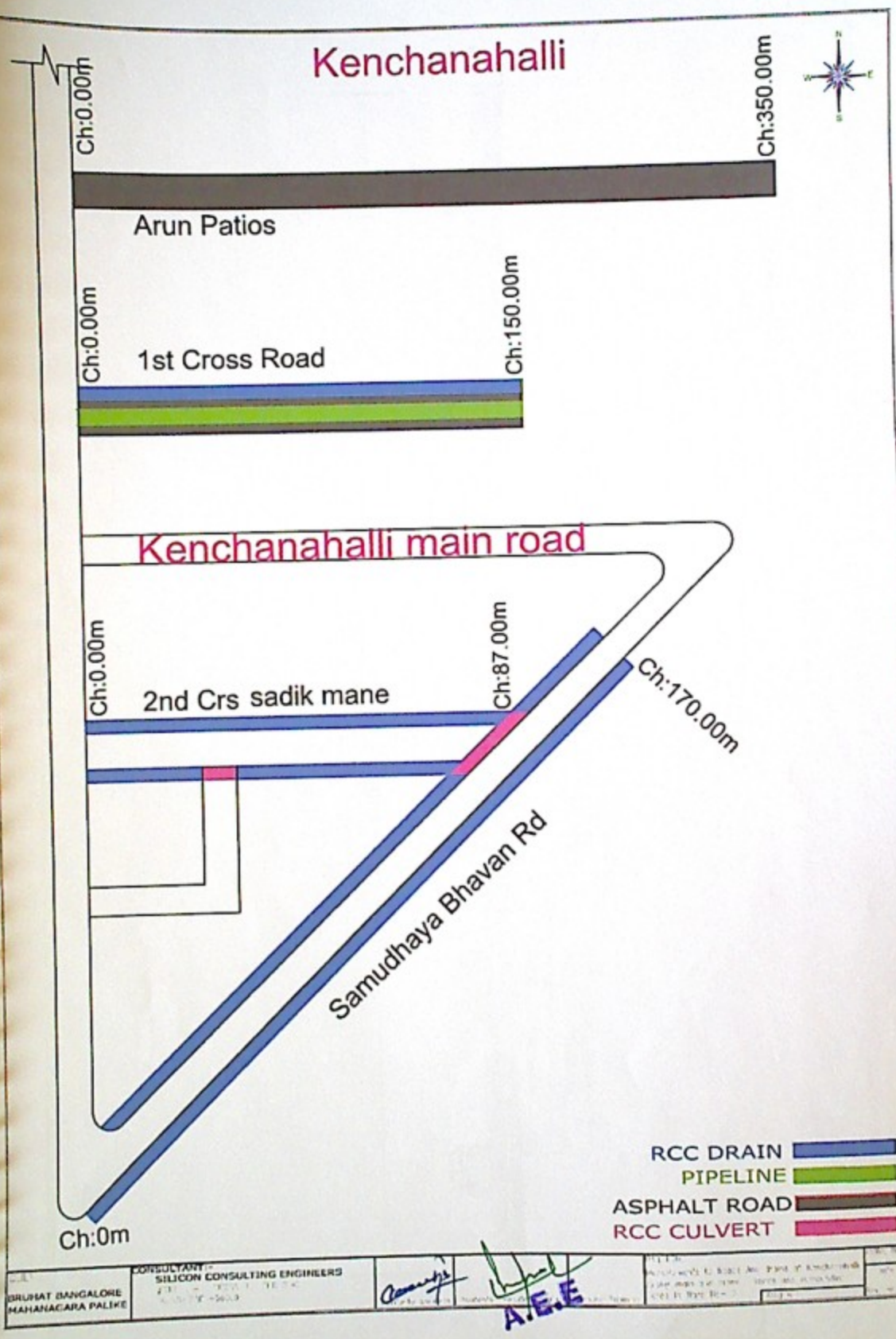
Executive Engineer
Yelahanka Division
BBMP

Administrative Sanction for Rs. ...99.00 Lakhs
Ninty Nine Lakhs only
is accorded under Head P-3727 2018-19
Chief minister Nava nagarotthan
grant)
Registered as E...
to car...
No EE/YNK/BS/33/2019-20 28/10/2019

Executive Engineer

Technical Sanction
Accorded For ...Bangalore only
Head of A/C....P-3727
CER NO :....12....Dt:28.10.2019

TA CE (YNK)


Kenchanahalli
Ch:0.00m
Ch:350.00m
Arun Patios
Ch:0.00m
Ch:150.00m
1st Cross Road
Kenchanahalli main road
Ch:0.00m
Ch:87.00m
2nd Crs sadik mane
Ch:170.00m
Samudhaya Bhavan Rd
Ch:0m
RCC DRAIN
PIPELINE
ASPHALT ROAD
RCC CULVERT
BRUHAT BANGALORE MAHANAGARA PALIKE
CONSULTANT :-
SILICON CONSULTING ENGINEERS
A.E.E